



(12) **United States Patent  
Clark**

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(54) **REFRIGERATION TRAILER AIR  
DISTRIBUTION CHUTE**

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(\*) Notice: Subject to any disclaimer, the term of this  
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**ABSTRACT**

Various embodiments of the present disclosure provide a refrigeration trailer air distribution chute. The chute includes a first air director attachable to a ceiling of a refrigeration trailer spanning a refrigeration unit and a side wall of the trailer, and a second air director attachable to and extending along the ceiling proximate the side wall to the rear of the trailer. The first air director is attachable to the ceiling along two lines of attachment, causing the first air director to have a cross section of a first shape regardless of whether the chute is in an unexpanded or an expanded state. The second air director is attachable to the ceiling along one line of attachment, causing the second air director to have a cross section of a second shape when the chute is in the unexpanded state and a third shape when the chute is in the expanded state.

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(52) **U.S. Cl.**

CPC ..... **B60H 1/00014** (2013.01); **B60H 1/00564**  
(2013.01); **B60H 1/3407** (2013.01)

(58) **Field of Classification Search**

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See application file for complete search history.

**27 Claims, 13 Drawing Sheets**

